```
=> d his ful

      (FILE 'HOME' ENTERED AT 10:00:31 ON 31 MAY 2006)

      FILE 'STNGUIDE' ENTERED AT 10:00:46 ON 31 MAY 2006

      FILE 'REGISTRY' ENTERED AT 10:02:46 ON 31 MAY 2006
L1              STRUCTURE UPLOADED
L2          1 SEA SSS SAM L1
L3         75 SEA SSS FUL L1
L4        184 SEA PLU=ON  GFLG/SQEP
L5              STRUCTURE UPLOADED
                D
L6          1 SEA SSS FUL L5
                D
L7              STRUCTURE UPLOADED
                D
L8          1 SEA SSS FUL L7
                D

      FILE 'CASREACT' ENTERED AT 10:17:40 ON 31 MAY 2006
L9          1 SEA SSS FUL L1 (    13 REACTIONS)
                D
L10         0 SEA SSS FUL L5 (     0 REACTIONS)
L11         0 SEA SSS FUL L7 (     0 REACTIONS)
L12         2 SEA PLU=ON  L4
                D L12 1-2
                D L12 2 IBIB

      FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER, MEDLINE, EMBASE' ENTERED AT
      10:20:02 ON 31 MAY 2006
L13       267 SEA PLU=ON  L3
L14       213 SEA PLU=ON  L13 AND (PD<20031002 OR PRD<20031002)
L15       136 DUP REM L14 (77 DUPLICATES REMOVED)
                ANSWERS '1-112' FROM FILE HCAPLUS
                ANSWERS '113-135' FROM FILE USPATFULL
                ANSWER '136' FROM FILE TOXCENTER
L16       477 SEA PLU=ON  L4
L17       407 SEA PLU=ON  L16 AND (PD<20031002 OR PRD<20031002)
L18       477 SEA PLU=ON  L17 OR L16
L19       278 DUP REM L18 (199 DUPLICATES REMOVED)
                ANSWERS '1-232' FROM FILE HCAPLUS
                ANSWERS '233-273' FROM FILE USPATFULL
                ANSWERS '274-278' FROM FILE TOXCENTER
L20       118 SEA PLU=ON  L19 AND (SYNTHESIS OR PREPARATION)

      FILE 'HCAPLUS, USPATFULL, USPAT2, TOXCENTER' ENTERED AT 10:24:42 ON 31
      MAY 2006
L21        79 SEA PLU=ON  L20 AND PD<20021002
                D L21 1-2 IBIB HITSTR KWIC

      FILE 'REGISTRY' ENTERED AT 10:26:34 ON 31 MAY 2006
L22             STRUCTURE UPLOADED
                D
L23       609 SEA SSS FUL L22

      FILE 'CASREACT' ENTERED AT 10:30:16 ON 31 MAY 2006
L24        50 SEA SSS FUL L22 (   582 REACTIONS)
L25             STRUCTURE UPLOADED
L26        50 SEA SUB=L24 SSS FUL L25 (   582 REACTIONS)
L27        41 SEA PLU=ON  L24 AND PD<20021002
```

L28   0 SEA PLU=ON L27 AND RCT+ALL/RL
             D L27 1-41 IBIB RX

        FILE HOME

        FILE STNGUIDE
        FILE CONTAINS CURRENT INFORMATION..
        LAST RELOADED: May 26, 2006 (20060526/UP).

        FILE REGISTRY
        Property values tagged with IC are from the ZIC/VINITI data file
        provided by InfoChem.

        STRUCTURE FILE UPDATES: 30 MAY 2006 HIGHEST RN 886115-42-0
        DICTIONARY FILE UPDATES: 30 MAY 2006 HIGHEST RN 886115-42-0

        New CAS Information Use Policies, enter HELP USAGETERMS for details.

        TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

           Please note that search-term pricing does apply when
           conducting SmartSELECT searches.

        ****
        *   *
        * The CA roles and document type information have been removed from *
        * the IDE default display format and the ED field has been added, *
        * effective March 20, 2005. A new display format, IDERL, is now   *
        * available and contains the CA role and document type information. *
        *   *
        ****

        Structure search iteration limits have been increased. See HELP SLIMITS
        for details.

        REGISTRY includes numerically searchable data for experimental and
        predicted properties as well as tags indicating availability of
        experimental property data in the original document. For information
        on property searching in REGISTRY, refer to:

        http://www.cas.org/ONLINE/UG/regprops.html

        FILE CASREACT
        Copyright of the articles to which records in this database refer is
        held by the publishers listed in the PUBLISHER (PB) field (available
        for records published or updated in Chemical Abstracts after December
        26, 1996), unless otherwise indicated in the original publications.

        FILE CONTENT:1840 - 28 May 2006 VOL 144 ISS 22

        New CAS Information Use Policies, enter HELP USAGETERMS for details.

        ****
        *   *
        *   CASREACT now has more than 10 million reactions   *
        *   *
        ****

        Some CASREACT records are derived from the ZIC/VINITI database (1974-1991)
        provided by InfoChem, INPI data prior to 1986, and Biotransformations

database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
FILE HCAPLUS
FILE COVERS 1907 - 31 May 2006   VOL 144 ISS 23
FILE LAST UPDATED: 30 May 2006   (20060530/ED)

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 30 May 2006 (20060530/PD)
FILE LAST UPDATED: 30 May 2006 (20060530/ED)
CA INDEXING IS CURRENT THROUGH 30 May 2006 (20060530/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 May 2006 (20060530/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2006

FILE USPAT2
FILE COVERS 2001 TO PUBLICATION DATE: 30 May 2006 (20060530/PD)
FILE LAST UPDATED: 30 May 2006 (20060530/ED)
CA INDEXING IS CURRENT THROUGH 30 May 2006 (20060530/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 30 May 2006 (20060530/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Feb 2006

FILE TOXCENTER
FILE COVERS 1907 TO 30 May 2006 (20060530/ED)

FILE MEDLINE
 FILE LAST UPDATED: 30 MAY 2006 (20060530/UP).   FILE COVERS 1950 TO DATE.

FILE EMBASE
 FILE COVERS 1974 TO 31 May 2006 (20060531/ED)

=> d que sta
L22              STR
```
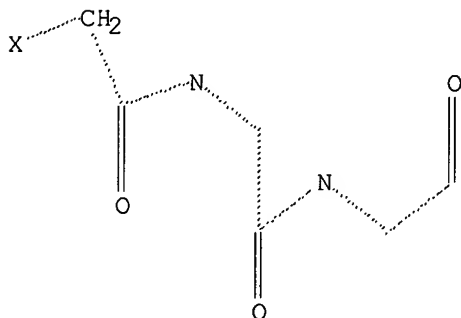


```
Structure attributes must be viewed using STN Express query preparation.
L24         50 SEA FILE=CASREACT SSS FUL L22 (   582 REACTIONS)
L27         41 SEA FILE=CASREACT PLU=ON  L24 AND PD<20021002
L28          0 SEA FILE=CASREACT PLU=ON  L27 AND RCT+ALL/RL


=> d que sta 120
L4         184 SEA FILE=REGISTRY PLU=ON  GFLG/SQEP
L16        477 SEA L4
L17        407 SEA L16 AND (PD<20031002 OR PRD<20031002)
L18        477 SEA L17 OR L16
L19        278 DUP REM L18 (199 DUPLICATES REMOVED)
L20        118 SEA L19 AND (SYNTHESIS OR PREPARATION)
```
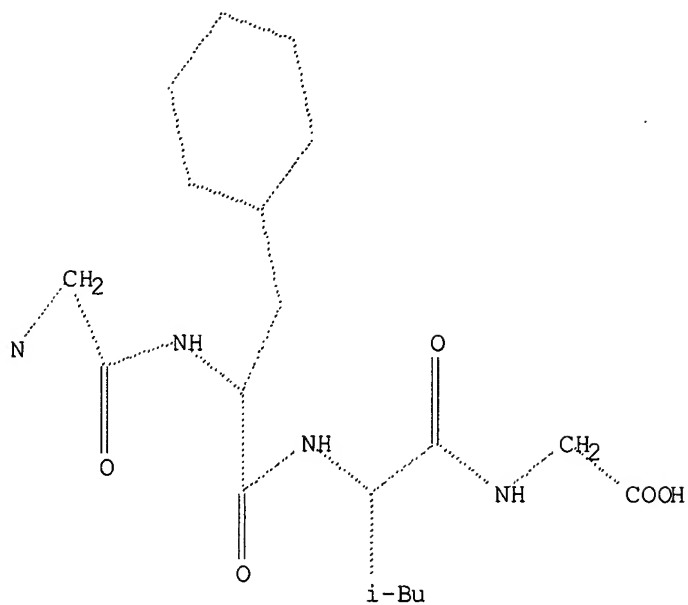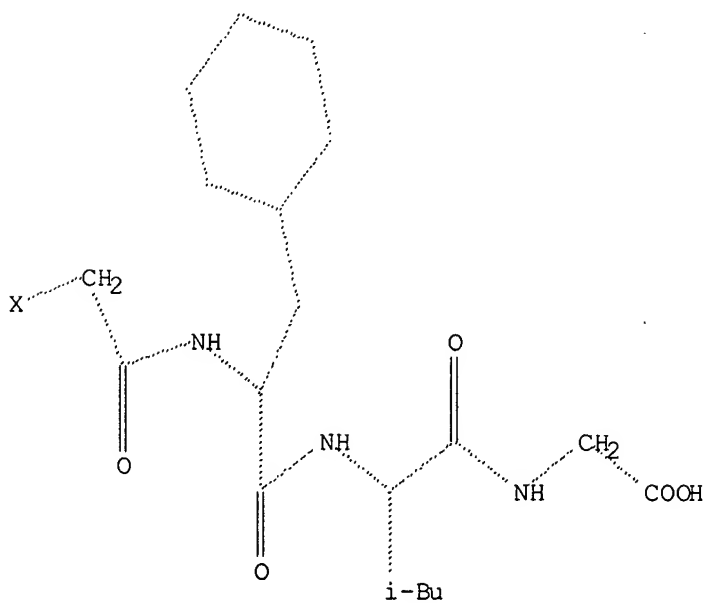
```
=> d que sta 115
L1                STR
```


CH₂ — N ⋯ NH ⋯ (phenyl ring) ⋯ O ⋯ NH ⋯ i-Bu ⋯ O ⋯ NH ⋯ CH₂ ⋯ COOH

Structure attributes must be viewed using STN Express query preparation.

```
L3          75 SEA FILE=REGISTRY SSS FUL L1
L13        267 SEA L3
L14        213 SEA L13 AND (PD<20031002 OR PRD<20031002)
L15        136 DUP REM L14 (77 DUPLICATES REMOVED)


=> d que sta 110
L5                STR
```
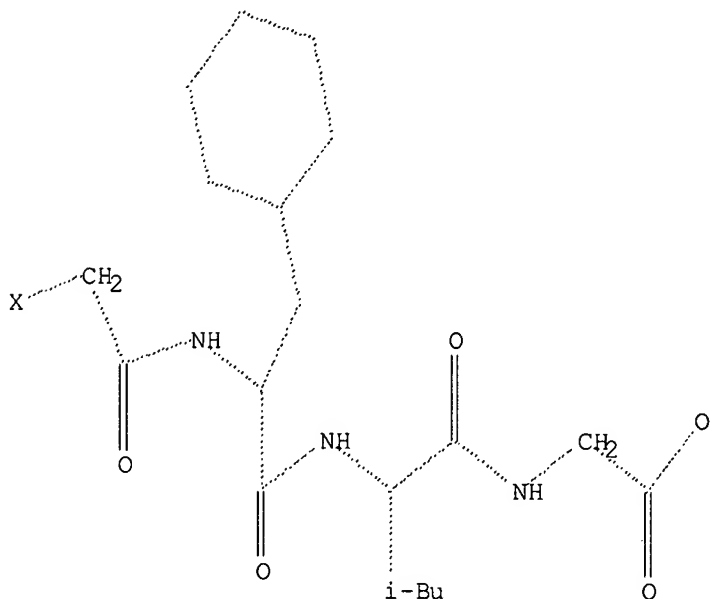

X ⋯ CH₂ ⋯ NH ⋯ (phenyl ring) ⋯ O ⋯ NH ⋯ i-Bu ⋯ O ⋯ NH ⋯ CH₂ ⋯ COOH

Structure attributes must be viewed using STN Express query preparation.
L10   0 SEA FILE=CASREACT SSS FUL L5 (0 REACTIONS)

100.0% DONE   8890 VERIFIED   0 HIT RXNS   0 DOCS
SEARCH TIME: 00.00.01
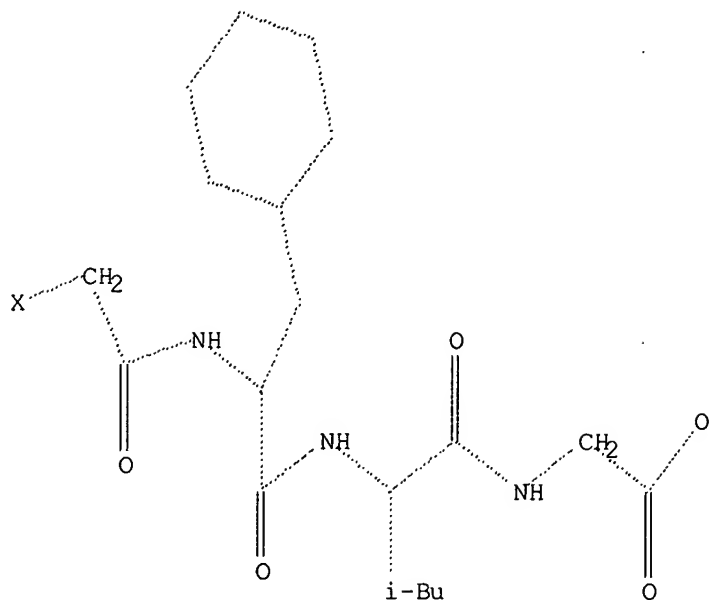

=> d que sta l11
L7   STR

Structure attributes must be viewed using STN Express query preparation.
L11   0 SEA FILE=CASREACT SSS FUL L7 (0 REACTIONS)

100.0% DONE   11145 VERIFIED   0 HIT RXNS   0 DOCS
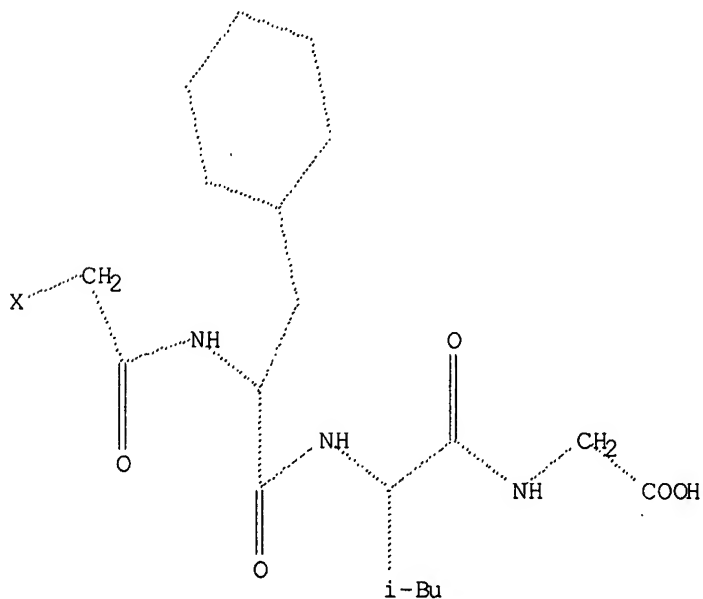SEARCH TIME: 00.00.01

=> d que sta l8
L7   STR

Structure attributes must be viewed using STN Express query preparation.
L8   1 SEA FILE=REGISTRY SSS FUL L7

100.0% PROCESSED   7330 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

=> d que sta 16
L5   STR

Structure attributes must be viewed using STN Express query preparation.
L6   1 SEA FILE=REGISTRY SSS FUL L5

100.0% PROCESSED   5103 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

```
=> d his ful

     (FILE 'HOME' ENTERED AT 15:24:57 ON 31 MAY 2006)

     FILE 'STNGUIDE' ENTERED AT 15:25:08 ON 31 MAY 2006
               SET LINE 250
               SET DETAIL OFF

     FILE 'HOME' ENTERED AT 15:25:13 ON 31 MAY 2006
               SET LINE LOGIN
               SET DETAIL LOGIN

     FILE 'REGISTRY' ENTERED AT 15:25:17 ON 31 MAY 2006
L1             STRUCTURE UPLOADED
L2             STRUCTURE UPLOADED
               D L1
               D L2
L3         731 SEA SSS FUL L1
L4         609 SEA SSS FUL L2
L5         122 SEA PLU=ON  L3 NOT L4

     FILE 'CASREACT' ENTERED AT 15:26:53 ON 31 MAY 2006
L6          57 SEA SSS FUL L1 (    625 REACTIONS)
L7          50 SEA SUB=L6 SSS FUL L2 (    582 REACTIONS)
L8           7 SEA PLU=ON  L6 NOT L7
               D L8 1-7 IBIB RX



     FILE HOME

     FILE STNGUIDE
     FILE CONTAINS CURRENT INFORMATION.
     LAST RELOADED: May 26, 2006 (20060526/UP).

     FILE REGISTRY
     Property values tagged with IC are from the ZIC/VINITI data file
     provided by InfoChem.

     STRUCTURE FILE UPDATES:  30 MAY 2006  HIGHEST RN 886115-42-0
     DICTIONARY FILE UPDATES: 30 MAY 2006  HIGHEST RN 886115-42-0

     New CAS Information Use Policies, enter HELP USAGETERMS for details.

     TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

        Please note that search-term pricing does apply when
        conducting SmartSELECT searches.

     ******************************************************************
     *                                                                *
     * The CA roles and document type information have been removed from *
     * the IDE default display format and the ED field has been added,  *
     * effective March 20, 2005.  A new display format, IDERL, is now   *
     * available and contains the CA role and document type information. *
     *                                                                *
     ******************************************************************

     Structure search iteration limits have been increased.  See HELP SLIMITS
     for details.

     REGISTRY includes numerically searchable data for experimental and
```

predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE CASREACT
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FILE CONTENT:1840 - 28 May 2006 VOL 144 ISS 22

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
************************************************************
*                                                        *
*      CASREACT now has more than 10 million reactions   *
*                                                        *
************************************************************
```
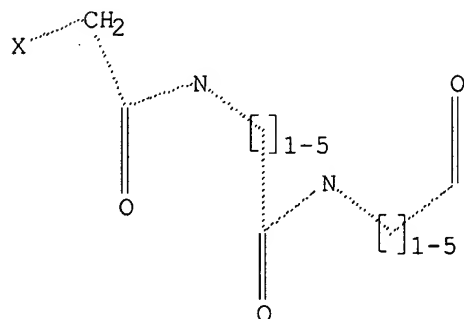
Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

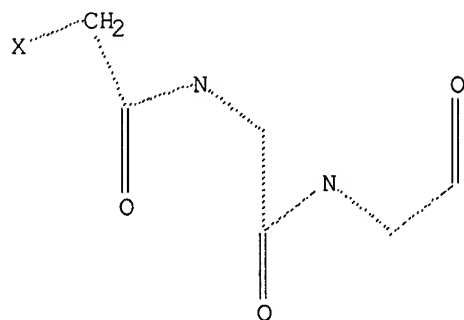This file contains CAS Registry Numbers for easy and accurate substance identification.

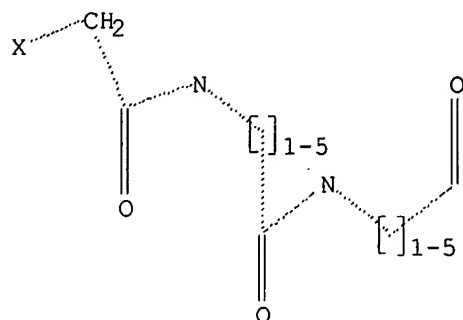=> d que sta
L1   STR

Structure attributes must be viewed using STN Express query preparation.
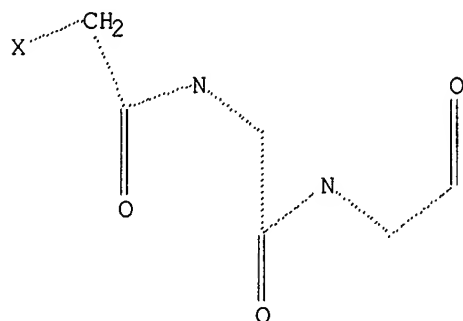L2   STR

Structure attributes must be viewed using STN Express query preparation.
L6   57 SEA FILE=CASREACT SSS FUL L1 (625 REACTIONS)
L7   50 SEA FILE=CASREACT SUB=L6 SSS FUL L2 (582 REACTIONS)
L8   7 SEA FILE=CASREACT PLU=ON L6 NOT L7

=> d que sta 15
L1   STR

Structure attributes must be viewed using STN Express query preparation.
L2   STR

Structure attributes must be viewed using STN Express query preparation.
L3   731 SEA FILE=REGISTRY SSS FUL L1
L4   609 SEA FILE=REGISTRY SSS FUL L2
L5   122 SEA FILE=REGISTRY PLU=ON L3 NOT L4

```
=> d his ful

        (FILE 'HOME' ENTERED AT 15:31:54 ON 31 MAY 2006)

        FILE 'REGISTRY' ENTERED AT 15:31:58 ON 31 MAY 2006
L1          184 SEA PLU=ON  GFLG/SQEP
L2            0 SEA PLU=ON  L1 AND THU/RL

        FILE 'HCAPLUS' ENTERED AT 15:33:15 ON 31 MAY 2006
L3          233 SEA PLU=ON  L1
L4          186 SEA PLU=ON  L3 AND THU/RL
              D L4 1-3 IBIB HITSTR KWIC
L5           38 SEA PLU=ON  L3 AND PHARMACEUTICAL
L6           29 SEA PLU=ON  L5 AND DRUG
              D L6 1-3 IBIB HITSTR KWIC

        FILE 'REGISTRY' ENTERED AT 15:37:26 ON 31 MAY 2006
L7            1 SEA PLU=ON  329967-77-3/RN
              D L7 SQIDE TOTAL

        FILE 'HCAPLUS' ENTERED AT 15:37:29 ON 31 MAY 2006

        FILE 'REGISTRY' ENTERED AT 15:39:03 ON 31 MAY 2006
L8              STRUCTURE UPLOADED
                D
L9            6 SEA SSS FUL L8
              D L9 1-6

        FILE 'REGISTRY' ENTERED AT 15:40:19 ON 31 MAY 2006
L10           1 SEA PLU=ON  439129-26-7/RN
              D L10 SQIDE TOTAL

        FILE 'REGISTRY' ENTERED AT 15:40:23 ON 31 MAY 2006


        FILE HOME

        FILE REGISTRY
        Property values tagged with IC are from the ZIC/VINITI data file
        provided by InfoChem.

        STRUCTURE FILE UPDATES:   30 MAY 2006  HIGHEST RN 886115-42-0
        DICTIONARY FILE UPDATES:  30 MAY 2006  HIGHEST RN 886115-42-0

        New CAS Information Use Policies, enter HELP USAGETERMS for details.

        TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

          Please note that search-term pricing does apply when
          conducting SmartSELECT searches.

        ****************************************************************
        *                                                              *
        * The CA roles and document type information have been removed from *
        * the IDE default display format and the ED field has been added,   *
        * effective March 20, 2005.  A new display format, IDERL, is now    *
        * available and contains the CA role and document type information. *
        *                                                              *
        ****************************************************************

        Structure search iteration limits have been increased.  See HELP SLIMITS
```

for details.

REGISTRY includes numerically searchable data for experimental and
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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE HCAPLUS

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strictly prohibited.

FILE COVERS 1907 - 31 May 2006 VOL 144 ISS 23
FILE LAST UPDATED: 30 May 2006 (20060530/ED)

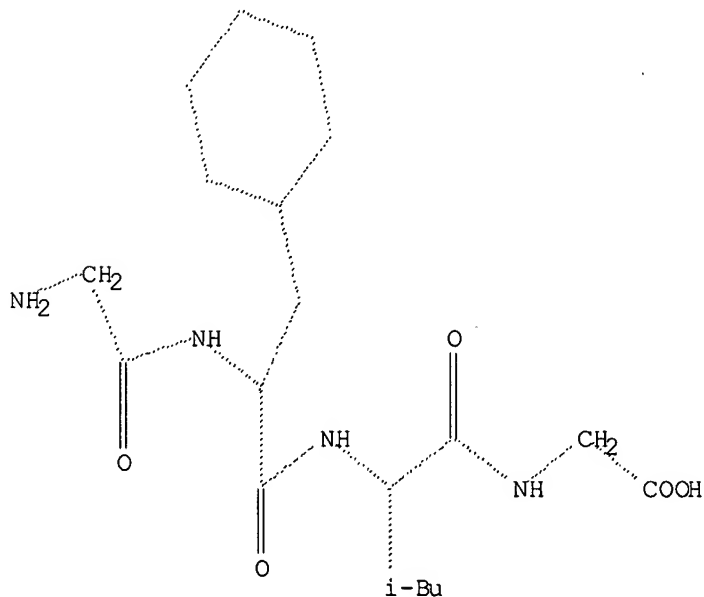New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

```
=> d que sta
L10           1 SEA FILE=REGISTRY PLU=ON  439129-26-7/RN


=> d que sta 19
L8            STR
```


Structure attributes must be viewed using STN Express query preparation.
```
L9           6 SEA FILE=REGISTRY SSS FUL L8
```

100.0% PROCESSED   469139 ITERATIONS   6 ANSWERS
SEARCH TIME: 00.00.08